

# PATENT ABSTRACTS OF JAPAN

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## (54) CONDUCTOR EXCELLENT IN BENDING RESISTANCE FOR ELECTRICAL AND ELECTRONIC EQUIPMENT

### (57)Abstract:

**PURPOSE:** To provide a conductor having relatively excellent electric properties and excellent in bending resistance by setting an elastic coefficient of a coaxially stranded core wire several times that of an outer layer wire.

**CONSTITUTION:** A conductor 3 is coaxially stranded. An elastic coefficient of a core wire 1 is made 2.5 times or more that of an outer layer wire 2. In this conductor 3, an elemental wire of the outer layer wire is made of Cu or a Cu alloy excellent in conductivity while the core wire is made of metal selected from Mo and W, or an alloy composed of mainly Mo or W. As a result, it is possible to reduce a load of a conductive material as the outer layer wire with respect to extension generated when the conductor is bent so as to enhance bending resistance of the conductor.

